

**FIG. 1: Unified Data Packet**

**Unified Data  
Packet 101**

|                               |
|-------------------------------|
| Header Section<br>105         |
| Final Payload Count 111<br>.. |
| Payload Section<br>110        |
| Trailer Section<br>115        |

**FIG. 2:        Fairfax Frame**

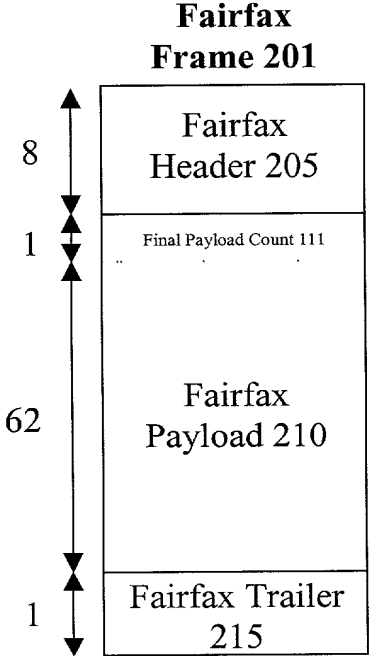


FIG. 3: Fairfax Header

Fairfax Header 205

|               |      |               |           |         |
|---------------|------|---------------|-----------|---------|
| VER           | MCST | FPCV          | ST[1:0]   | SN[2:0] |
| Reserved[7:0] |      |               |           |         |
| FRID[15:8]    |      |               |           |         |
| FRID[7:0]     |      |               |           |         |
| SSID[4:0]     |      |               | SPID[4:2] |         |
| SPID[1:0]     | DP   | Reserved[2:0] | BTAG      | FTAG    |
| FSID[7:0]     |      |               |           |         |
| FQID[7:0]     |      |               |           |         |

Version 301, Multicast 302, Final Payload Count  
Valid 303,  
Segment Type 304, Sequence Number 305  
  
Reserved 306  
  
Fairfax Routing ID (MSB) 307  
  
Fairfax Routing ID (LSB) 308  
  
Source Slot ID 309, Source Port ID (MSB) 310  
  
Source Port ID (LSB) 311, Discard Priority 312,  
Reserved 313,  
Backward Tagging 314, Forward Tagging 315  
  
Fairfax Service ID 316  
  
Fairfax Queue ID 317

FIG. 4: Fairfax Payload

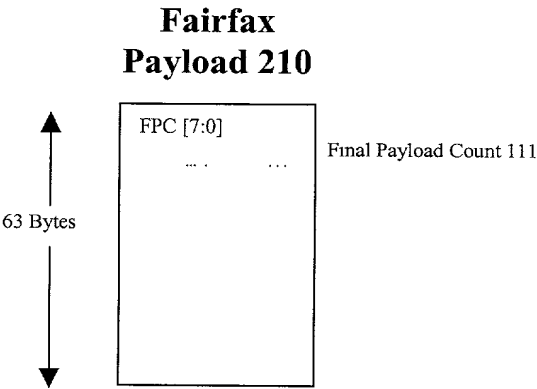


FIG. 5: Fairfax Frame Trailer

Fairfax Trailer 215

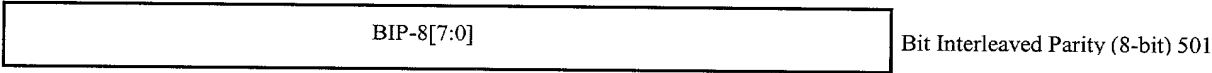


FIG 6: Fairfax Dual Routing Packet 601

